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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: [year=2008; month=8; day=14; hr=18; min=36; sec=25; ms=641;]

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Application No: 10580957 Version No: 2.0

Input Set:

Output Set:

Started: 2008-07-14 17:48:26.536
Finished: 2008-07-14 17:48:26.926
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 390 ms
Total Warnings: 2
Total Errors: 2
No. of SeqIDs Defined: 2
Actual SeqID Count: 2

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
E 257	Invalid sequence data feature in <221> in SEQ ID (2)
E 257	Invalid sequence data feature in <221> in SEQ ID (2)

SEQUENCE LISTING

<110> SANKT-PETERBURGSKAYA OBSCHESTVENNAYA ORGANIZATSIYA
"SANKT-PETERBURGSKIY INSTITUT BIOREGULYATSII I GERONTOLOGII SZO
RAMN"

<120> Tetrapeptide regulating blood glucose level in diabetes mellitus

<130> 252185

<140> 10580957

<141> 2006-05-30

<150> RU 2003135605

<151> 2003-12-10

<160> 2

<170> PatentIn version 3.5

<210> 1

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Tetrapeptide Lys-Glu-Asp-Trp-NH₂ regulates glucose level in the organism in diabetes mellitus by increasing insulin secretion and tissue sensitivity to it.

<400> 1

Lys Glu Asp Trp

1

<210> 2

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic intermediate with double benzylloxycarbonyl protection on Lys and benzyl ester protection on Glu and Asp

<220>

<221> MOD_RES

<222> (1)..(1)

<223> ACETYLATION

<220>

<221> MOD_RES

<222> (2)..(3)

<223> BLOCKED

<400> 2

Lys Glu Asp Trp

1